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10/633,145	07/31/2003	Ken L. Chang	A1301	5429	
35219 7590 11/30/2010 WESTERN DIGITAL CORPORATION ATIN: LESLEY NING / IP LAW DEPARTMENT			EXAM	EXAMINER	
			BLOUIN, MARK S		
3355 MICHELSON DRIVE, SUITE 100 IRVINE, CA 92612		ART UNIT	PAPER NUMBER		
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UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES

Ex parte KEN L. CHANG and JOHN L. RAUEN

Appeal 2009-008167 Application 10/633,145 Technology Center 2600

Before KENNETH W. HAIRSTON, CARLA M. KRIVAK, and ELENI MANTIS MERCADER, Administrative Patent Judges.

 ${\it HAIRSTON}, {\it Administrative\ Patent\ Judge}.$

DECISION ON APPEAL¹

¹ The two-month time period for filing an appeal or commencing a civil action, as recited in 37 C.F.R. § 1.304, or for filing a request for rehearing, as recited in 37 C.F.R. § 41.52, begins to run from the "MAIL DATE" (paper delivery mode) or the "NOTIFICATION DATE" (electronic delivery mode) shown on the PTOL-90A cover letter attached to this decision.

Application 10/633,145

This is an appeal under 35 U.S.C. §§ 6(b) and 134 from the final rejection of claims 1 to 9. We will reverse.

The disclosed invention relates to a stamped actuator arm that is used in a head stack assembly. A plurality of stamped protrusions on the actuator arm support a trace suspension flex that has a metal base layer (Figs. 2-5; Spec. 2, 3, 5-7; Abstract).

Claim 1 is representative of the claims on appeal, and it reads as follows:

- 1. A head stack assembly for a disk drive, comprising: a stamped actuator arm;
- a head gimbal assembly attached to the stamped actuator arm, the head gimbal assembly including a base plate, and a trace suspension flex having a metal base layer and a plurality of conductors supported by the metal base layer;

the stamped actuator arm including;

an actuator arm side surface extending longitudinally along the stamped actuator arm; and

at least two but not more than three longitudinally spaced-apart stamped protrusions, the stamped protrusions being in contact with the trace suspension flex, each stamped protrusion extending from the actuator arm side surface.

The prior art relied upon by the Examiner in rejecting the claims on appeal is:

Budde US 2002/0163763 A1 Nov. 7, 2002

The Examiner rejected claims 1 to 9 under 35 U.S.C. § 102(e) based upon the teachings of Budde.

Appellants argue *inter alia* (Br. 4-7) that the "protrusions 208, 210, 212 in Budde are clearly not a part of an 'actuator arm,' as required by all of the presently pending claims" (Br. 5), and "Budde utterly fails to disclose a trace suspension flex that has a 'metal base layer and a plurality of

conductors supported by the metal base layer,' as required by all of the presently pending claims" (Br. 6).

Thus, we have to determine whether Budde describes an actuator arm with stamped protrusions and a trace suspension flex that has a metal base layer and a plurality of conductors supported by the metal base layer.

According to Budde (¶ 0028, 0029; Abstract; Fig. 2), the protrusions (i.e., interconnect attachment tabs) 208, 210, and 212 are formed on suspension 200 "that is later swaged to an actuator arm." The actuator arm described by Budde, therefore, does not include protrusions 208, 210, and 212 as required by the claims on appeal. Although Budde describes a flex circuit that is woven through the protrusions 208, 210, and 212 (¶ 0029; Abstract), Budde is completely silent as to the flex circuit having "a metal base layer and a plurality of conductors supported by the metal base layer." The Examiner contends (Ans. 8) that "one of ordinary skill in the art would understand that a metal base layer with a plurality of conductors is inherent to the structure and function of a flex circuit," but nothing in the record supports the Examiner's contention that a flex circuit necessarily includes a metal base layer with a plurality of conductors.

In summary, the Examiner erred by finding that Budde has: an actuator arm that includes stamped protrusions, and a flex circuit having a metal base layer and a plurality of conductors supported by the metal base layer. Accordingly, the anticipation rejection of claims 1 to 9 is reversed because each and every limitation in the claims is not found either expressly or inherently in the cited reference to Budde. *In re Crish*, 393 F.3d 1253, 1256 (Fed. Cir. 2004).

The decision of the Examiner is reversed.

REVERSED

gvw

WESTERN DIGITAL CORPORATION ATTN: LESLEY NING / IP LAW DEPARTMENT 3355 MICHELSON DRIVE, SUITE 100 IRVINE CA 92612